

## Page, Gail

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From: Isenhour, Jeff  
Sent: Wednesday, July 26, 2006 11:31 AM  
To: Page, Gail  
Subject: FW: Additional Parts



Gaston revised  
Invoice.xls



Camera Specs May  
4.doc

-----Original Message-----

From: Ryan Robinson [mailto:ryan@cduav.com]  
Sent: Wednesday, July 26, 2006 10:20 AM  
To: Isenhour, Jeff  
Subject: Additional Parts

Hello Jeff,

I have attached the invoice, as well as the spec for the color camera. I do not have an attachable information sheet for the antennas and receivers, as it is a combination of several parts. I will ask David, our engineer, to send you info when he gets a chance. He will be training your guys today so it may be a day or 2. Thanks again for your business, call me with any questions or comments.

Respectfully,

Ryan Robinson  
Director of Sales  
Cyber Defense Systems  
202-627-8103

Page, Gail

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**From:** Dianne Warlick [Dianne.Warlick@co.gaston.nc.us]  
**Sent:** Friday, January 18, 2013 11:02 AM  
**To:** Page, Gail  
**Subject:** the drone

Sorry to say.....the only thing I can give you is a copy of the purchase order....which I think you already had. Purchasing records go back to 2008. I went to Jan Wiggins with the check number and date.....they have nothing past March 2007. Wish I could help.

Dianne

P.O. Box 1578  
GASTONIA, NC 28053-1578  
Phone: 704-866-3112

PURCHASE ORDER

SHIP TO:

GASTON CO POLICE  
420 W FRANKLIN BLVD

GASTONIA NC 28052

NO. 21313

PURCHASE ORDER NUMBER MUST  
APPEAR ON ALL INVOICES, BILLS  
OF LADING AND CORRESPONDENCE.

DATE 1/17/06

VENDOR NO. 78861

CYBERDEFENSE SYSTEMS  
10901 ROOSEVELT BLVD  
SUITE 100D  
ST PETERSBURG FL 33716

REQ# 22323

F.O.B.	VIA
DELIVERY REQUIRED	TERMS

ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
			***** PLEASE SEND ALL INVOICES TO THE ADDRESS AT THE TOP OF THIS PURCHASE ORDER. PAYMENT MAY BE DELAYED IF INVOICES ARE SENT TO ANY OTHER ADDRESS.  ***** ATTN: JEFF ISENHOUR *****		
1	1.00	EA	BASIC BIG CYBER BUG (WITH CARRYING CASE) 40-4310-511-002 50112-0001	16950.00	16950.00
2	1.00	EA	GROUND CONTROL STATION (NO COMPUTER) 40-4310-511-002 50112-0001	6100.00	6100.00
3	1.00	EA	OPERATOR TRAINING PACKAGE 40-4310-511-002 50112-0001	1500.00	1500.00
4	1.00	EA	INFRARED CAMERA (\$4000 DISCOUNT OFF ORIG PRICE OF \$8750 FOR DEMO CAMERA **AND**TO REFLECT 10% DISC FOR DEMONSTRATOR AGREEM 40-4310-511-001 50113-0001	5420.00	5420.00
THIS INSTRUMENT HAS BEEN PREAUDITED IN THE MANNER REQUIRED BY THE LOCAL GOVERNMENT BUDGET AND FISCAL CONTROL ACT.					29970.00

*[Signature]* 1/18/06  
AUTHORIZED SIGNATURE

## RECEIVING REPORT

ITEM #	1	2	3	4	5	6	7	8	9	10
DATE REC'D	2/13/06	2/13/06	2/13/06	2/13/06						
QTY. REC'D	1	1	1	1						
REC. BY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>						

**GASTON COUNTY**  
**REQUISITION ENTRY FORM**

Date : 07/26/06

Requisition / PO # \_\_\_\_\_ / \_\_\_\_\_

*Header Information*

Vender Number : \_\_\_\_\_

Vender Name/Address : CyberDefense Systems

Ship to Department : \_\_\_\_\_

10901 Roosevelt Blvd, Suite 100D

St. Petersburg, FL 33716

Special Instructions : Order for Asst. Chief Isenhour

*Line Items*

#	Unit of Meas.	Unit Price	Description	Quantity	Extended Price	Account Number / Project Number
1		2100.0	360 Degree Gimbaled Color Camera	1	2100.00	
2		500.00	Video Receiver and Antenna	1	500.00	
3		60.00	Strobe Light	1	60.00	
			Freight			

TOTAL 2,660.00

*Quotes :*

*Use back of page for additional information*

#	Vender Name	Total Quote	Date of Quote	Contact Person / Telephone Number
1	Sole Vendor		07/26/2006	Ryan Robinson 202-627-8103
2				
3				

REQUISITIONER

DATE

DEPARTMENT HEAD / DESIGNEE

DATE

# Micro Ball Turret Camera

General specifications:

## Dimensions:

Gross weight RTF (less enclosure): 65 grams  
Bare chassis with yoke: 15 grams  
Enclosure: 11 grams  
H x W x L:  
2.125" (exclusive of ball) x 1.5" Wide x 3.5" Long  
(2.75 max height including ball)

## Mechanics:

Polymer chain drive pan  
Stainless steel cable push-pull tilt  
Pulse width modulation

**Chassis**, Carbon fiber composite

Yoke, Machined aluminum with threaded inserts

High strand count copper "dynamic" wire is spring loaded and is wound on the yoke spool to prevent twisting

**Pan function:** 360 degrees

Max rate of rotation: 0.72 sec / 360 degrees

**Tilt function:** 90 degrees max, 80 degrees typical, limited by lens

Max rate of rotation: 0.18 sec / 90 degrees

**Stabilization system:** utilizes present tilt servo and another similar servo for roll axis at a max of: 0.12 sec / 60 degrees

## Camera:

NTSC

¼" Inter-line type color CCD Image sensor

Operating Voltage of 5V DC current consumption of 160mA

High resolution of more than 450 TV lines

752(H) x 582(V) – 437.664 pixels

0.9 Lux max

S/N ratio: better than 45 dB

Electronic Iris: 1/50sec – 1/100 sec

Auto white balance

Gamma: 0,45

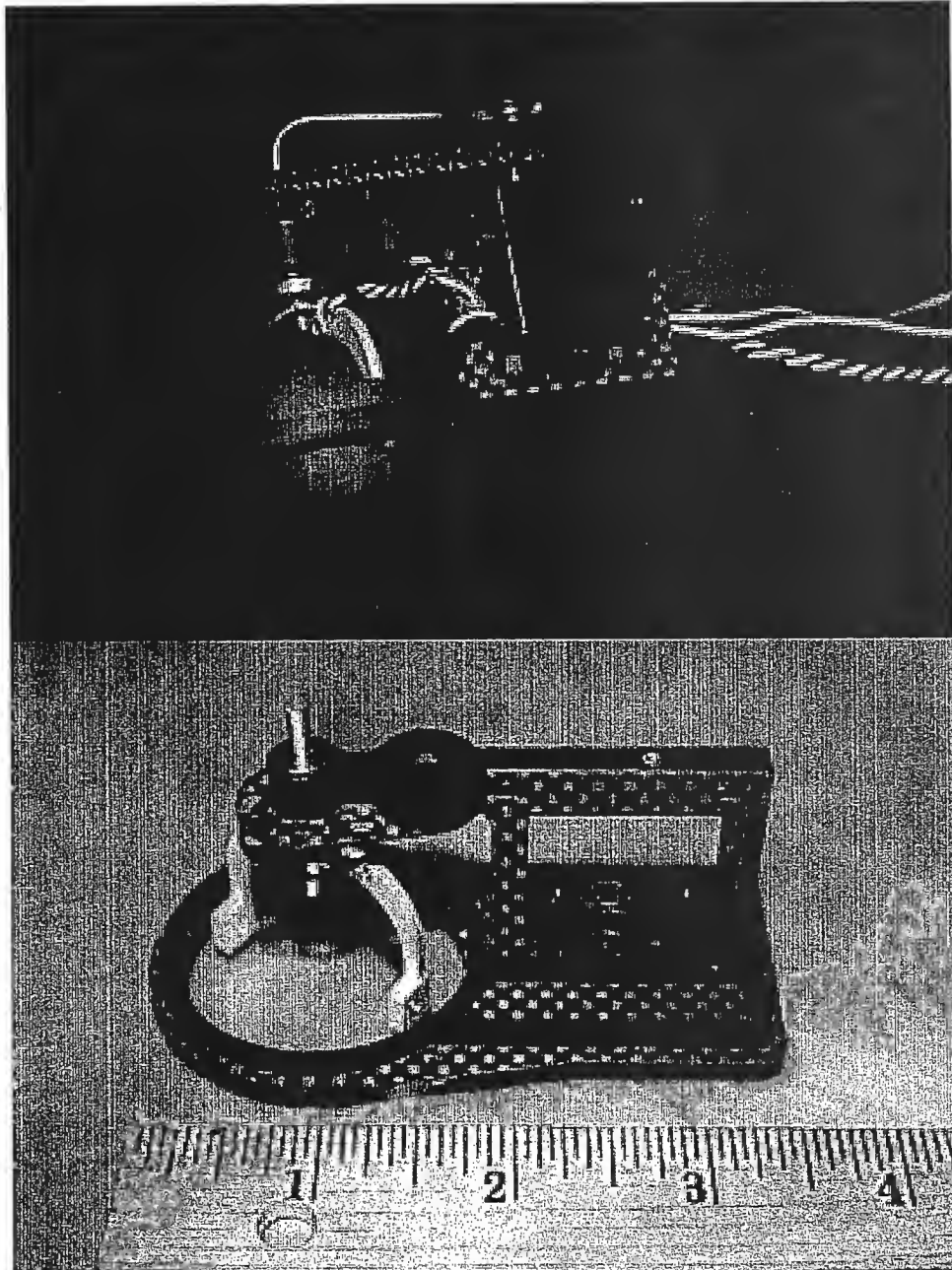
Operation temp of -5C - +45C

## Lens options (field changeable D-Mount)

6.0mm

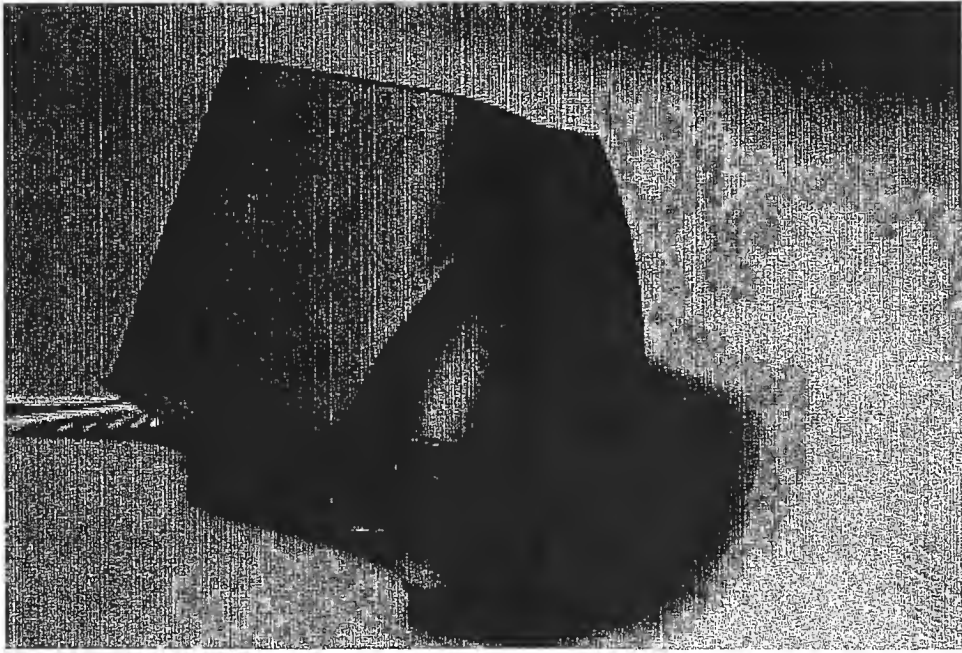
8.0mm (standard shown)

12.0mm



Proprietary Data Patent Pending

Brandebury Tool Company, Inc.



Proprietary Data Patent Pending

Brandebury Tool Company, Inc.





*The Standard*

# AIRCRAFT LOG

ASA-SA-2



**Aircraft Record General Information**

Manufacturer CYBER DEFENSE SK Model B16 BUK

Serial BB109

Registration Number

Date of Manufacture FEB 8 2006

Engine(s) currently installed:

Manufacturer NEUTRONICS Model 1509/1.57/5.2 Serial

Manufacturer Model Serial

Propeller(s) currently installed:

Manufacturer APC Model LP1512F 55 mm HUB

HUB Model Serial Serial

Blade Model Serial Serial

Blade Model Serial Serial

YEAR:	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty C.G.	Useful Load Pilot	Remarks
2/8/06					CG CHECK + MARK.
2/8/06					1st FLIGHT CG CHECK
2/15/06	11:17			Calendo	Training Dallas Park, no problems
2/23/06	20:31		Return to cyb- Defense for repairs	Calendo	Training - Carr Rd. - Dallas Affiliate Losy Comm. loss
2/27	21:24		Received back from cyb-Defense	Hamrick	no problems, manual landing
2/27	20:28			Bolick Hamrick handled	low altitude, lost comm. no problems, manual landing
2/27	:10			Hamrick	lost comm. 8 mph winds wouldn't climb, manual landing
2/28	:15			Hamrick	low altitude, wouldn't climb, manual landing
2/28	14:26			Hamrick	manual landing, no problems
2/28	16:41		Return to cyb- Defense for repairs	Hamrick	lost rect rudder control
3/3/06	6:39		1st flight after repairs	Hamrick	failed to clear waypoints
4/6/06	9:49		1st flight DDE Pilot	Hamrick	no problems, flew Dole plant
4/6/06	10:35		2nd flight DDE Pilot	Hamrick	Took 18 photos Wind calm. Ground Dole plant there
5-8-04	:07		Abd Read	Schmitt	Pics - No Problems 5 mph winds. 10 sec. delay.
6-7-06	11:38		Dallas - B.C. Read	Hamrick/Schmitt	Est. 5 mph. Attitude, wouldn't climb. 1st flight
6-7-06	7:53		Dallas - B.C. Read	Hamrick/Schmitt	no problems. 5.5 wind. 3.3 could not move camera.

YEAR:	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty C.G.	Useful Load Pilot	Remarks
DATE					
9/28/06	28.14		Basic 3 Hrs on 11/28/06	Hansen	Tool Pic Industrial Rel
10-24-06	<del>28.14</del> 28.00 am	Compressor not working	1st Call out Hansen		Missing person no flight
1/07	1:09		Dole Plant	Hansen/Calender	Crash, no Altitude, broke wing
1/07	1:13		Dole Plant	Hansen/Calender	Crash, no Altitude, broke prop
1/07	1:08		Dole Plant	Hansen/Calender	Crash, no Altitude
1/07	1:06		Dole Plant	Hansen/Calender	Crash, no Altitude, broke prop
1/17/07	5:51	New Motor Installed	Dole Plant	Schmitt	no problems
1/17/07	1:31		381 Industrial Park	Schmitt	Crash, behind trees lost comm.
3/7/07	2:016		Sandcastle	Hansen/Calender	no problems, camera locked up
2/7/07	12:00		Dole Plant	Hansen/Schmitt	no flight problems, camera problems
2/7/07	22:00		Dole Plant	Hansen/Schmitt	no flight problems, camera problems
3/7/07	5:00		Sandcastle	Schmitt	no flight problems
3/7/07	7:13		Sandcastle	Schmitt, Murphy	no flight problems
4/4/07	15:00		Sandcastle	CC	Good Flight - Bad landing

WINDSPEED - AVG 5.0 MAX 8.5

CAMERA STILL SLIPPING

